FIG. 1

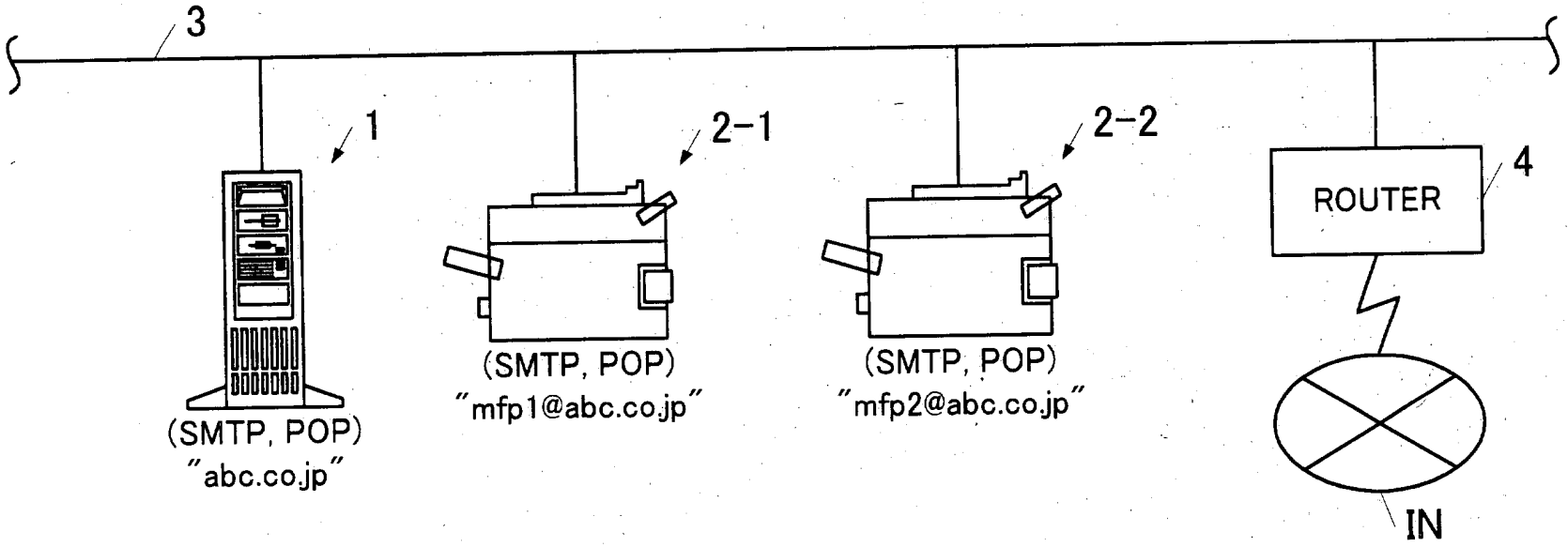

3
1
2-1
2-2
ROUTER
4
(SMTP, POP)
"abc.co.jp"
(SMTP, POP)
"mfp1@abc.co.jp"
(SMTP, POP)
"mfp2@abc.co.jp"
IN

FIG. 2

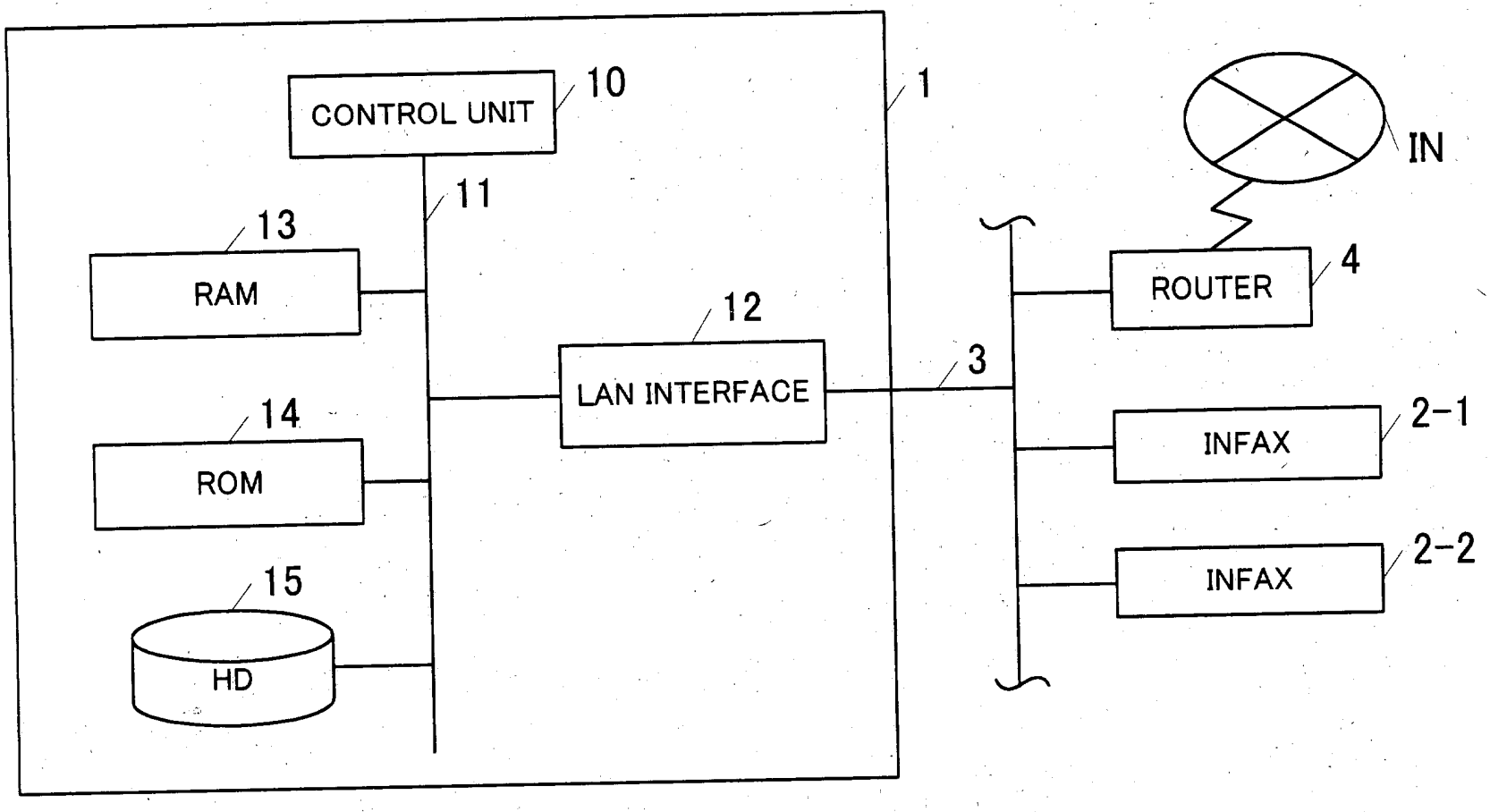

CONTROL UNIT
10
1
11
13
RAM
12
LAN INTERFACE
3
14
ROM
15
HD
IN
ROUTER
4
INFAX
2-1
INFAX
2-2

FIG. 3

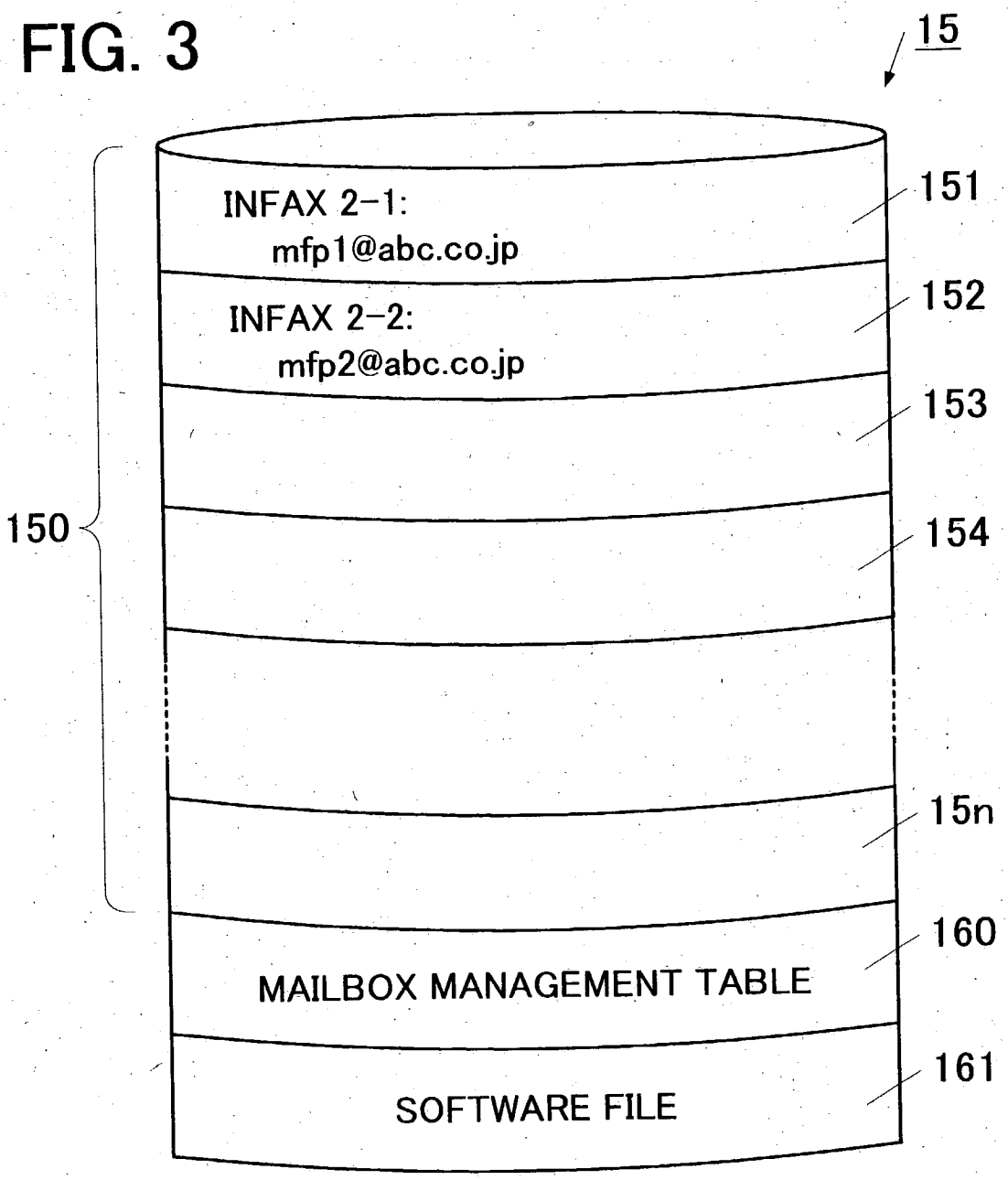

15
INFAX 2-1:
mfp1@abc.co.jp
151
INFAX 2-2:
mfp2@abc.co.jp
152
153
154
150
15n
MAILBOX MANAGEMENT TABLE
160
SOFTWARE FILE
161

FIG. 4

160

MAILBOX NO.	ADDRESS	NAME	NEW MAIL NOTIFICATION
151	mfp1@abc.co.jp	INFAX2-1	YES
152	mfp2@abc.co.jp	INFAX2-2	NO

FIG. 5

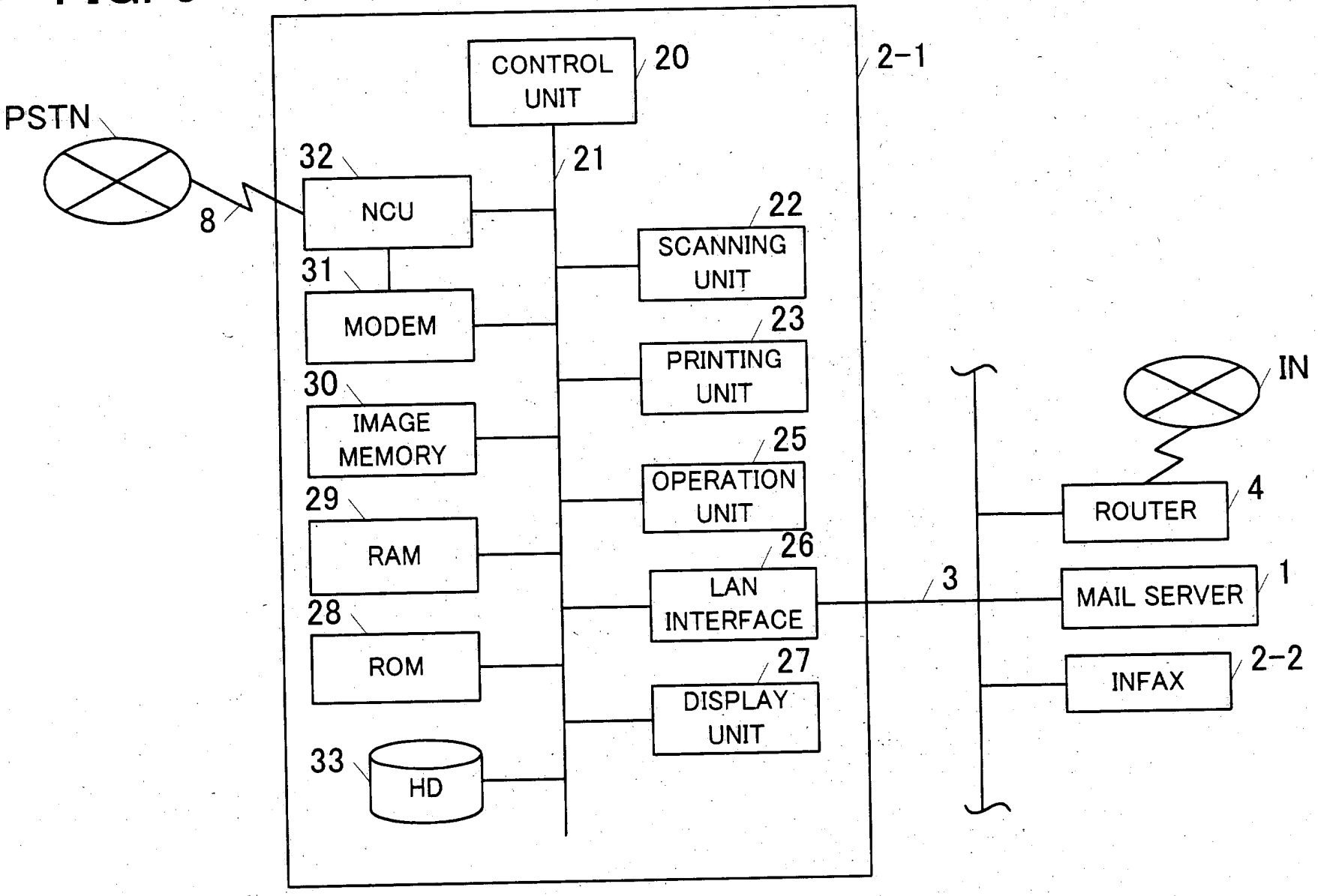

PSTN
8
CONTROL UNIT
20
2-1
21
32
NCU
31
MODEM
30
IMAGE MEMORY
29
RAM
28
ROM
33
HD
22
SCANNING UNIT
23
PRINTING UNIT
25
OPERATION UNIT
26
LAN INTERFACE
27
DISPLAY UNIT
3
IN
ROUTER
4
MAIL SERVER
1
INFAX
2-2

FIG. 6

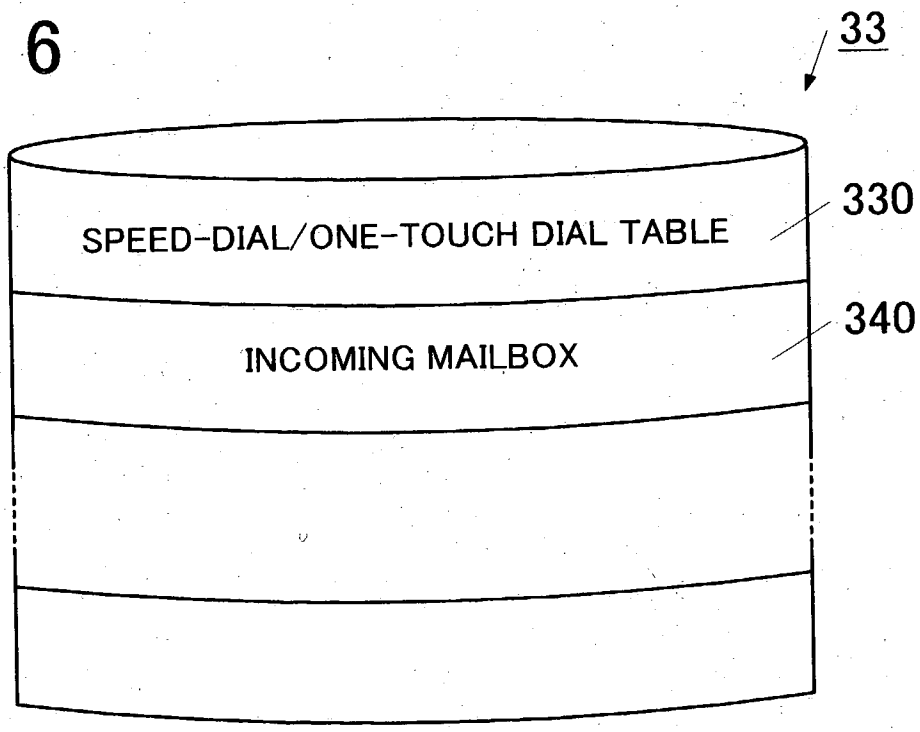


FIG. 7

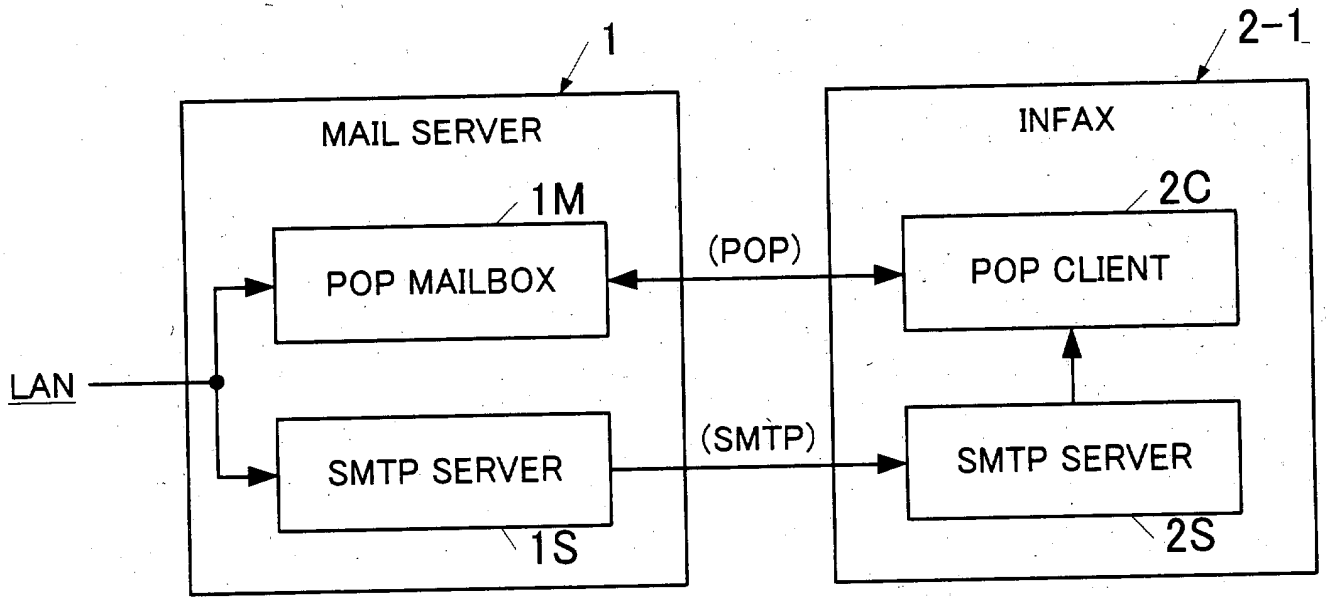

1
MAIL SERVER
1M
POP MAILBOX
LAN
SMTP SERVER
1S
(POP)
(SMTP)
2-1
INFAX
2C
POP CLIENT
SMTP SERVER
2S

FIG. 8

Message-Id <200103141604. QAA15735@sample>
From: server@sample
Date: Wed. 14 Mar 2001 16:04:22 +0900
To: ifax@f01.sample
Subject: New Mail Notification
MIME-Version: 1.0
Content-Type: text/plain: charset="us-ascli"
Content-Transfer-Encoding: 7bit

2 new mails have arrived.
MLID=01234567 SIZE=250KB
MLID=01234568 SIZE=100KB

FIG. 9

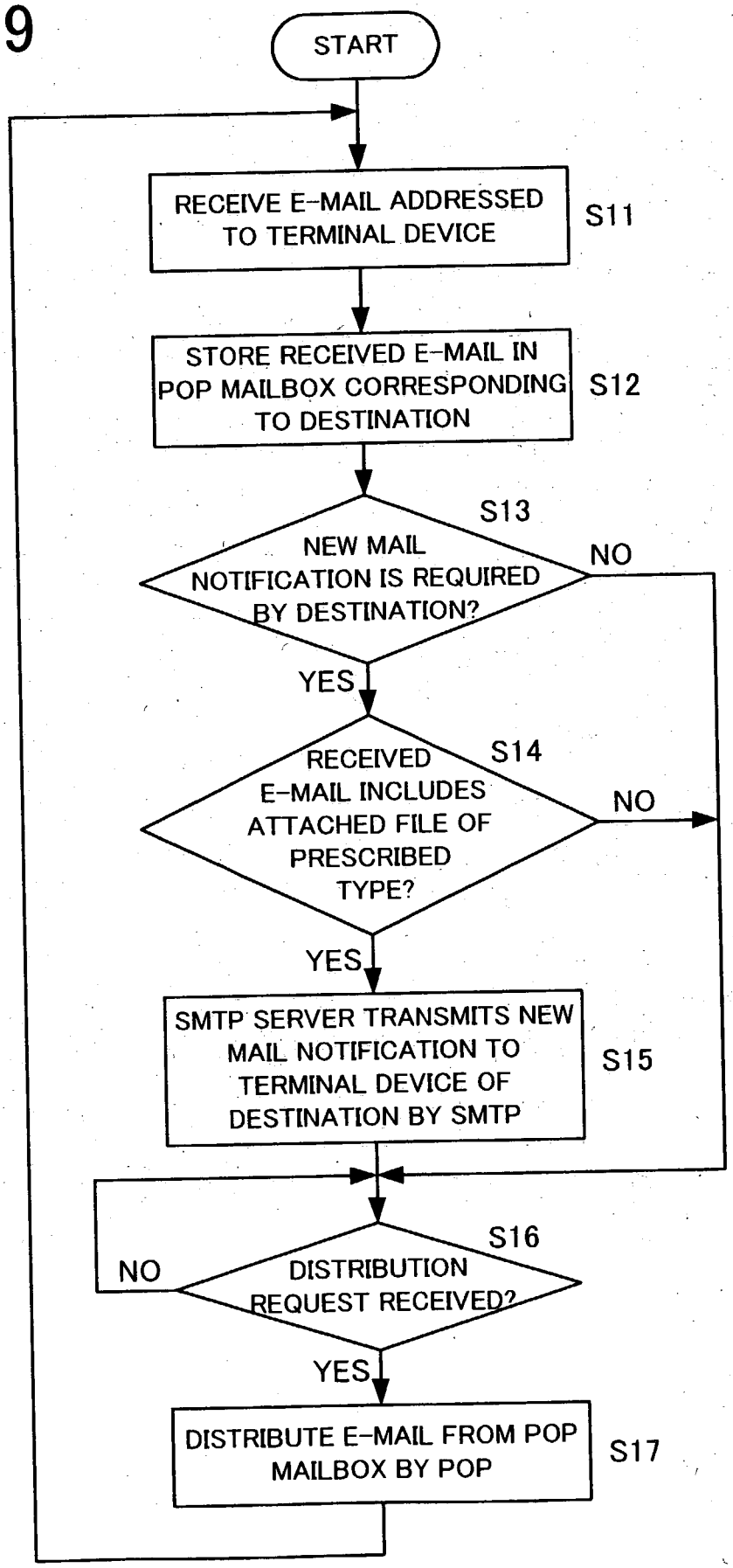
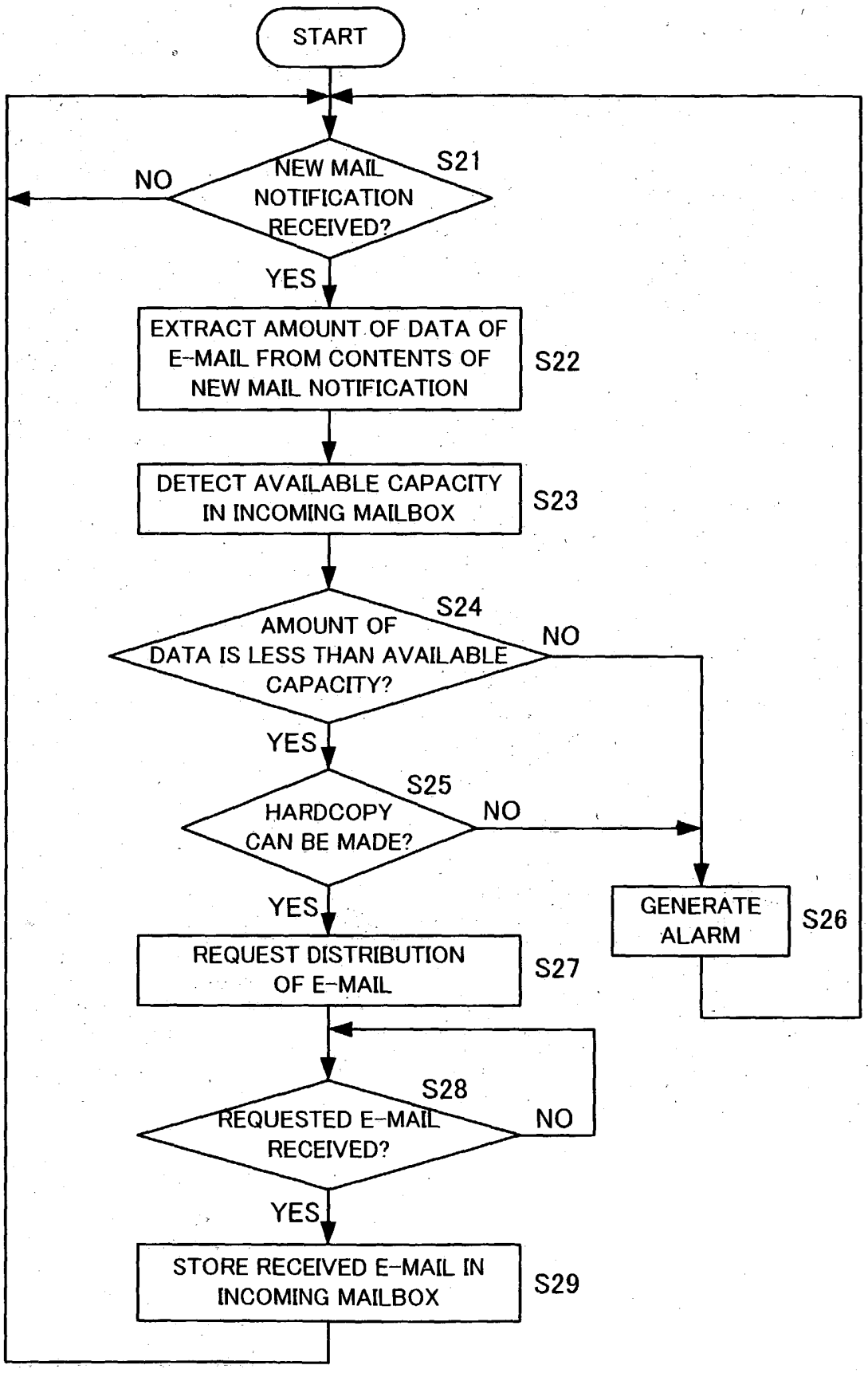

START
RECEIVE E-MAIL ADDRESSED TO TERMINAL DEVICE
S11
STORE RECEIVED E-MAIL IN POP MAILBOX CORRESPONDING TO DESTINATION
S12
S13
NEW MAIL NOTIFICATION IS REQUIRED BY DESTINATION?
NO
YES
S14
RECEIVED E-MAIL INCLUDES ATTACHED FILE OF PRESCRIBED TYPE?
NO
YES
SMTP SERVER TRANSMITS NEW MAIL NOTIFICATION TO TERMINAL DEVICE OF DESTINATION BY SMTP
S15
S16
NO
DISTRIBUTION REQUEST RECEIVED?
YES
DISTRIBUTE E-MAIL FROM POP MAILBOX BY POP
S17

FIG. 10


START
NEW MAIL NOTIFICATION RECEIVED?
S21
NO
YES
EXTRACT AMOUNT OF DATA OF E-MAIL FROM CONTENTS OF NEW MAIL NOTIFICATION
S22
DETECT AVAILABLE CAPACITY IN INCOMING MAILBOX
S23
AMOUNT OF DATA IS LESS THAN AVAILABLE CAPACITY?
S24
NO
YES
HARDCOPY CAN BE MADE?
S25
NO
YES
GENERATE ALARM
S26
REQUEST DISTRIBUTION OF E-MAIL
S27
REQUESTED E-MAIL RECEIVED?
S28
NO
YES
STORE RECEIVED E-MAIL IN INCOMING MAILBOX
S29